

Bushnell®

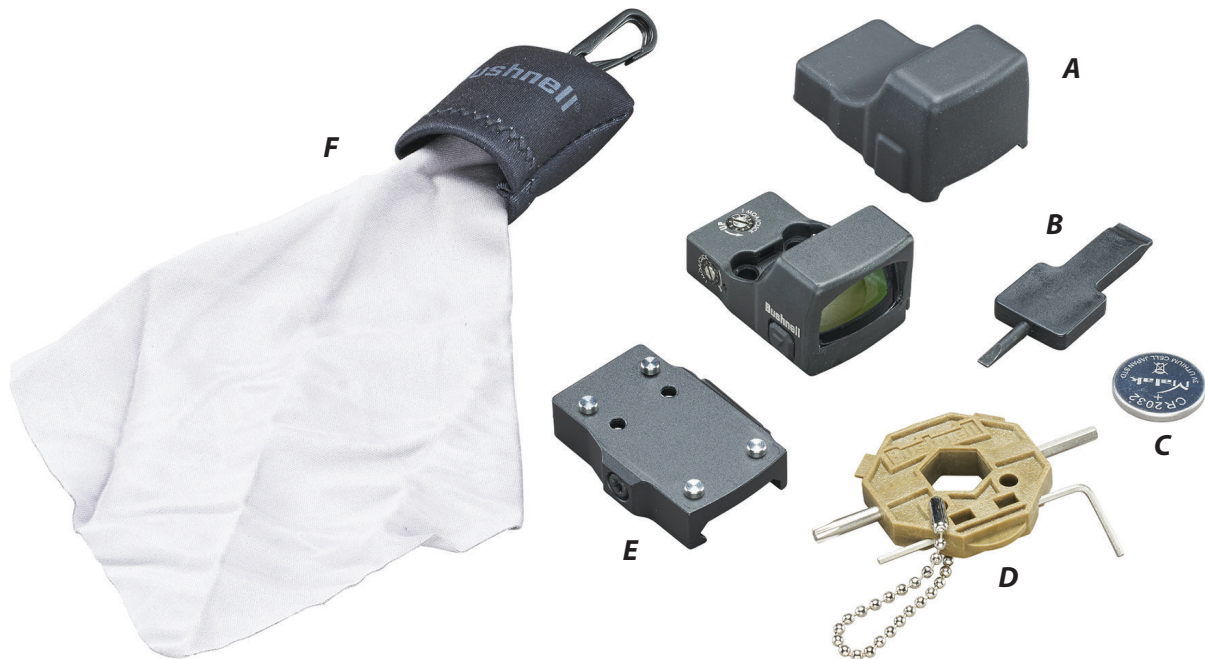


RED DOT SIGHT OWNER'S GUIDE

Thank you for purchasing your new Bushnell® RXS-250 Red Dot Reflex Sight (illuminated optical sight). This manual will help you optimize your viewing experience by explaining how to utilize the sight's features and how to care for it. Read the instructions carefully before using your sight.



WARNING! : DO NOT LOOK AT THE SUN THROUGH THE OPTICS, AS PERMANENT EYE DAMAGE OR EVEN BLINDNESS MAY RESULT.



Included:

- A. Protective Cover Shroud
- B. Battery Door & W/E Adjustment Tool
- C. CR2032 Lithium Battery (in separate polybag)
- D. Bushnell Multi-Tool
- E. Weaver Style Low-profile Mounting Base
- F. Spudz Cleaning Cloth

ABOUT THE BUSHNELL® RXS-250 RED DOT REFLEX SIGHT

The RXS-250 is a state-of-the-art reflex sight, designed for hunting, plinking and target shooting with pistols, rifles, and shotguns. It may be directly mounted to compatible pistol slides (or accessory mounts) with the Leupold DeltaPoint® footprint or it may be mounted to accessory rails using the included low-profile Weaver style mount. It features a battery life of more than 50,000 hours (at a typical brightness level of "5")*, a 12-hour auto-timeout feature to prolong battery life (timer countdown resets if any button is pressed, or it may be disabled for full manual control), battery access without unmounting, and a 4 MOA dot with 10 brightness settings. The sight has an IP67 rating for water resistance.

***Note:** battery life in use will vary depending on the brightness settings used, freshness and quality of the battery, ambient temperature, and other factors.

Your sight's illuminated reticle has been pre-focused so the aiming point always appears in focus on the target. By comparison, open sights force you to choose to focus your eye on only the rear sight, front sight or target-or settle for a blurry compromise.

Your sight can be easily used with both eyes open (eye relief is unlimited), increasing the shooter's awareness of the surrounding environment and providing faster target acquisition due to the limited parallax design, as the dot follows the movement of the user's eye while remaining fixed on the target. Engineered for greater speed and accuracy, the sight allows you to focus on the target rather than a reticle, thus increasing accuracy. The Bushnell RXS-250 sight's electronic illuminated dot has been pre-focused to be parallax free at 50 yards. Parallax error is minimized, from close range up to 100 yds.

MOUNTING YOUR RXS-250™ SIGHT



WARNING! : BEFORE MOUNTING YOUR SIGHT, REPLACING ITS BATTERY, OR REMOVING OR PERFORMING MAINTENANCE ON THE SIGHT, BE SURE ACTION IS OPEN, CLIP OR MAGAZINE IS REMOVED AND A ROUND IS NOT IN THE CHAMBER. DO NOT ATTEMPT ANY WORK UNTIL THE FIREARM HAS BEEN CLEARED AND DETERMINED TO BE SAFE.



WARNING: IF THE SIGHT IS NOT MOUNTED FAR ENOUGH FORWARD, ITS REARWARD MOTION MAY INJURE THE SHOOTER WHEN THE FIREARM RECOILS.

Your new sight, even with its technologically advanced design and features, will not perform at its best if not properly mounted. One of the most important contributing factors to the accuracy of your firearm and sight combination is the quality of the mount and care taken during its installation. The RXS-250 will fit all bases compatible with Leupold® DeltaPoint® Pro sights. It also includes a low-profile mount for mounting on Weaver or Picatinny style accessory rails. Make sure the base you use is manufactured specifically for your pistol, rifle or shotgun. Be sure the base is properly installed and securely fastened according to the manufacturer's instructions for your safety.

The included hold-down mounting screws (2) are intended to be used with indirect mounting adapter plates like what is utilized for GLOCK M.O.S. There are other types of optics-ready plate systems from pistol manufacturers (e.g. TAURUS™ TORO) that utilize a pass-through plate system, which requires the user to utilize screws provided from the pistol manufacturer. If this is the case, additional care must be taken to ensure the red dot sight is adequately clamped. Some screws may bottom out into the slide and seem to be tight, but in fact are not adequately clamping the sight onto the slide. The potential resulting looseness can cause lens fracture and potential risk to the user. Always follow user-manual guidance and/or seek assistance from the respective manufacturers or a qualified gunsmith. Always wear approved eye-protection.

The base should create a uniform horizontal and vertical mounting platform. Be sure they are properly installed and securely fastened according to the manufacturer's instructions for your safety. There is no set eye relief for your RXS-250 sight; therefore, you should provide at least three inches of clearance between the rear of the sight and your eye when in the shooting position. While 1X power/magnification sights have unlimited eye-relief, always ensure there is an adequate amount of space between your face and the optic to account for firearm recoil.

If mounting directly to an adapter plate (common for optics ready pistols), follow the manufacturer's instructions for attaching the adapter plate. Unless otherwise specified by the 3rd party manufacturer, be sure to remove any clearance by gently forward loading the plate during fastening. When attaching the red dot sight to the adapter plate, gently forward load the sight body while fastening. This both removes clearances that may otherwise shift under recoil and improves the chances of repeatable mounting should the red dot sight need to be removed for any reason such as maintenance.

If using the included mount, loosen the socket head T15 Torx screw on the mount of the sight using the provided tool, so that the locking bar can clamp around the rail. Position the mount on your base rail so that the cross-bolt engages a slot. Forward load the mount, so that the cross-bolt engages the forward face of the chosen mounting slot and clearance is removed. Tighten the T15 Torx bolt. **CAUTION: Do not overtighten.** Torque should be set to 15 lbf*in (*pound-force inch*) for the two sight-to-base screws and 25 lbf*in for the mount cross-bolt.

Remember, not all sights or scopes are compatible with all firearm bases. If there is any doubt in your mind, you should seek the advice of your local retailer or gunsmith.

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GLOCK® and M.O.S.® are registered trademarks of GLOCK, Inc.*

PARTS GUIDE

1. Battery Compartment Cover
2. Mount
3. Lens
4. Elevation Adjustment
5. Windage Adjustment
6. Sight-to-Mount Screws
7. Mount Cross-Bolt Screw
8. Brightness Up Button
9. Brightness Down Button



BATTERY POLARITY ORIENTATION:
Positive (+) side facing up,
Negative (-) facing down



INSTALLING THE BATTERY

Before powering on your sight for the first time, you will need to activate the installed CR2032 lithium battery by removing the protective plastic disc covering the battery. Use the flat plastic end of the included black multi-tool to unscrew the battery compartment cover and remove plastic disc. Alternatively, the battery may be packaged in a small polybag. If so, remove the battery from the bag and install it into the battery compartment. See the Parts Guide for the location of the battery compartment. **CAUTION: Installing the battery incorrectly may damage the internal contacts. Ensure that the positive (+) side is facing up, negative (-) side down.** Replace battery cover. Verify that red dot is on and functional by switching the power on and increasing the brightness if necessary (see "Switching Power On/Off", and "Adjusting Dot Brightness" below).

REPLACING THE BATTERY

Should your reticle grow dim or not light at all, replace the battery, following the installation procedure described above.

SWITCHING POWER ON/OFF

To turn the sight's power on, press either the Brightness "Up" or "Down" button (8/9, Parts Guide). To switch off the sight, hold the Brightness "Down" button for 3 seconds. By default, a timer will automatically switch power off after 12 hours to extend battery life, if no button has been pressed. Switch power on again to continue using the sight if necessary. To turn the timer off and enable continuous power, press and hold both arrow buttons for 3 seconds. The red dot will slowly blink 3 times to confirm "timer off". *Note: If you disable the timer, be sure to manually turn power off before storing the sight away or when not using it for long periods of time, to prevent draining the battery.*

To reactivate the 12 hour timer, press and hold both arrow buttons for 3 seconds again. The red dot will rapidly blink 4 times to confirm "timer on", and the countdown will start. Pressing any button while using the sight will restart the timer.

ADJUSTING DOT BRIGHTNESS

To adjust the intensity level of the dot reticle, press the Brightness "Up" button to increase brightness, or the Brightness "Down" to decrease brightness. The RXS-250 provides 10 levels of brightness from the dimmest to the brightest setting. Each single press of the Up or Down button will increase or decrease brightness by one level. The highest two settings are visible even in bright daylight conditions. Please note that the highest settings are often too bright for indoor or dark ambient conditions and will produce some stray reflections from the LED package. This is normal and if experienced, the brightness should be reduced to compensate.

SIGHTING IN/ZEROING YOUR RXS-250™ SIGHT



WARNING! : SINCE THIS PROCEDURE INVOLVES LIVE FIRE, IT SHOULD BE DONE AT AN APPROVED RANGE OR OTHER SAFE AREA. CHECK BORE FOR OBSTRUCTIONS. AN OBSTRUCTED BORE MAY CAUSE INJURY TO YOU AND OTHERS NEAR BY. ENSURE THE CONDITION OF THE FIREARM AND CONFIRM IT IS UNLOADED BEFORE MAKING ADJUSTMENTS OR INSPECTING THE BORE. EYE & EAR PROTECTION IS RECOMMENDED.

Initial sighting in of the RXS-250 can be done using a bore sighter per the manufacturer's directions, or by visual bore sighting through a rifle's barrel with the bolt removed as follows, referencing a target at a 25 to 50 yard distance (*7-15 yards for handgun. An alternative for pistol mounted applications is to use the iron sights as reference for initial/rough dot alignment*). Boresighting should be done at your local shooting range rather than at home due to safety concerns, as well as the convenience of being able to confirm final sight-in with live fire while you are there.

Provided care is taken to ensure all mounting adapters and red dot sight are gently forward loaded, and fastened according to instruction, undesired point-of-aim shift from mounting will be negligible.

1. With the sight mounted, support the firearm as deemed necessary and while considering recoil and safe practices. Switch on the sight's power and adjust brightness as needed until dot is easily visible.
2. Start by sighting along the barrel and aim at a target 25 to 50 yards away (*7-15 yards for handgun*). View through your RXS-250 sight, and gently rotate the windage and/or elevation adjustments, using the supplied tool to align the red dot with the target as seen along the barrel. The adjustments are detented, with 1 MOA per click and 30 MOA per full revolution, 100 MOA total travel each.
3. You should then fire a test shot to determine the point of impact of your weapon. If you are not hitting your aiming point (the center of the target) make an adjustment by turning the windage and/or elevation screw(s) in the direction you want the impact to move.

Final sighting in can then be done, once the RXS-250 has been bore sighted as described above. Make sure you load the same ammo you plan to use most often with the sight.

4. Repeat step 3, making adjustments as needed, to bring the point-of-impact into alignment with the point-of-aim.
5. Once satisfied with basic alignment, it is recommended to repeat step #3 again except with using the center of 3 or 5 shot groups as the overall estimate for alignment confirmation.

OPERATION UNDER EXTREME CONDITIONS

- Extreme heat (humid or dry): no special procedures required. Avoid prolonged exposure if possible.
- Extreme cold: low temperature (particularly below freezing) may reduce battery life.
- Salt air: similar to a firearm, ensure a light film of oil is maintained on all exposed steel components (e.g. fasteners).
- Dust storms and sand storms: place provided shroud/cover over the sight when it is not being used.
- Ensure that battery cover is securely fastened in place-hand tighten only. Keep the provided shroud/cover in place when sight is not being used. Clean lens with lens paper/cloth (see caution note below) and wipe the sight dry as soon as possible after exposure to any form of moisture. This sight is IP67 rated (submersible up to 30min @1m and dust proof).

CAUTION: The lenses shall never be cleaned with fingers but with lens paper/cloth, to avoid scratching the glass.

- Use a soft brush or "canned air" to remove any loose debris (sand, grass, etc.) prior to using the lens paper or soft clean cloth.

TROUBLESHOOTING

Problem: Red Dot Does Not Appear

Possible Causes/Solutions:

- **Discharged battery:** Replace battery with a new CR2032 lithium cell.
- **Battery installed incorrectly:** Remove and reinstall battery with correct polarity orientation (see *Parts Guide*).
- **Battery not making good contact:** Clean contact surfaces and reinstall battery.
- **Defective Brightness Buttons:** Contact Bushnell customer service (1-800-423-3537).

Problem: Impossible To Zero

Possible Causes/Solutions:

- **Adjustment screw is at its limit:** Inspect alignment of mount to barrel. Note that some aftermarket (bolt-on / no gunsmithing) rails position the sight too high relative to the bore and can sometimes cause issues. This has been observed on some revolver applications.
- **Impact point is moving:** Inspect all sight and accessory mating connections. Ensure the firearm and ammunition is otherwise performing as expected.

Technical Specifications

SKU	Magnification	Reticle	Adjustment Range	MOA per Rev	Parallax Free Distance (Yds)	# of Brightness Settings	Eye Relief & Field of View	Length (inches)	Weight (oz)
RXS250	1x	4 MOA Dot	100 MOA	30	50	10	Unlimited	1.8	1.5*

**Note: Weight listed is with battery, but not the included mount. The low-profile base weighs about 0.8 oz.*



NO RECEIPT
REQUIRED



FULLY
TRANSFERABLE



WORKMANSHIP
COVERED



MATERIALS
COVERED

COVERAGE YOU CAN COUNT ON

All Bushnell products are engineered to deliver to your expectation and manufactured to withstand the rigors of the outdoors for the lifetime of the product. In the event that our product fails you, we will stand behind it and repair it at no cost to you. If we can't repair it then we will replace it with a product of equal or better value. No receipt required and fully transferable.

All Bushnell® products carry a product lifetime warranty against defects in workmanship or materials. Product lifetime is defined as 30 years for riflescopes, 20 years for binoculars and spotting scopes, 5 years for electro-optics (laser rangefinders, red dot sights, reflex sights, speed gun radars, night vision, GPS) and electronic components (illuminated reticles) and 2 years for trail cams. Coverage period start date is determined by proof of purchase or manufacturing date of the product. This warranty does not cover cosmetic damage; damage caused by failing to properly maintain the product; loss; theft; damage as a result of unauthorized repair, modification, or disassembly; intentional damage, misuses, or abuse. This Warranty will be void if the date stamp or other serialization codes have been removed from the Product. We may replace your product with a product of equal or better physical condition.

To view the full warranty and download the details of the warranty, click this link: <https://www.bushnell.com/bu-warranty.html>
To submit a repair request or check the status of a repair ticket: <https://service.bushnell.com/s/>

Alternatively, you can request a copy of the warranty by calling us at 1-800-423-3537 or writing to us at one of the following addresses:

IN U.S.A. Send To:

Bushnell Holdings, Inc.
Attn.: Repairs
9200 Cody
Overland Park, Kansas 66214

IN CANADA Send To:

Bushnell Holdings, Inc.
Attn.: Repairs
140 Great Gulf Drive, Unit B
Vaughan, Ontario L4K 5W1
Canada

For products purchased outside the United States or Canada, please contact your local dealer for applicable warranty information.

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

We warrant that during the warranty period, with proper use and care, the product will be free from defects in materials and workmanship and will meet represented performance standards as defined by the warrantor in its sole discretion.

The remedies described herein are your sole and exclusive remedies and our entire liability for any breach of this warranty. Our liability shall under no circumstances exceed the actual amount paid by you for the defective product, nor shall we under any circumstances be liable for any consequential, incidental, special or punitive damages or losses, whether direct or indirect.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Our responsibility for defective goods is limited to repair or replacement as described in this warranty statement.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules. Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.



Industry Canada Statement :

This device complies with ISED's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement / Déclaration d'exposition aux radiations :

This device complies with the Industry Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for the intended operation as described in this manual. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user's body or if the device is set to a lower output power if such function is available.

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

Disposal of Electric and Electronic Equipment (Applicable in the EU and other European countries with separate collection systems)

This equipment contains electric and/or electronic parts and must therefore not be disposed of as normal household waste. Instead, it should be disposed at the respective collection points for recycling provided by the communities. For you, this is free of charge.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and, if necessary, in turn be disposed of according to the relevant regulations (see also the respective comments in this unit's instructions).

Further information about the subject is available at your community administration, your local waste collection company, or in the store where you purchased this equipment.



 **WARNING: This product uses a Lithium based battery. Lithium batteries can overheat and cause damage if physically abused. Do not use batteries that are damaged or show signs of physical wear.**

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